

Device Modeling Report

COMPONENTS: Solar Cell
PART NUMBER: Q6LTT3-1600
MANUFACTURER: Q.CELLS
REMARK: Pmax=3.89(W)
REPORT of SolarCells (LTspice IV)



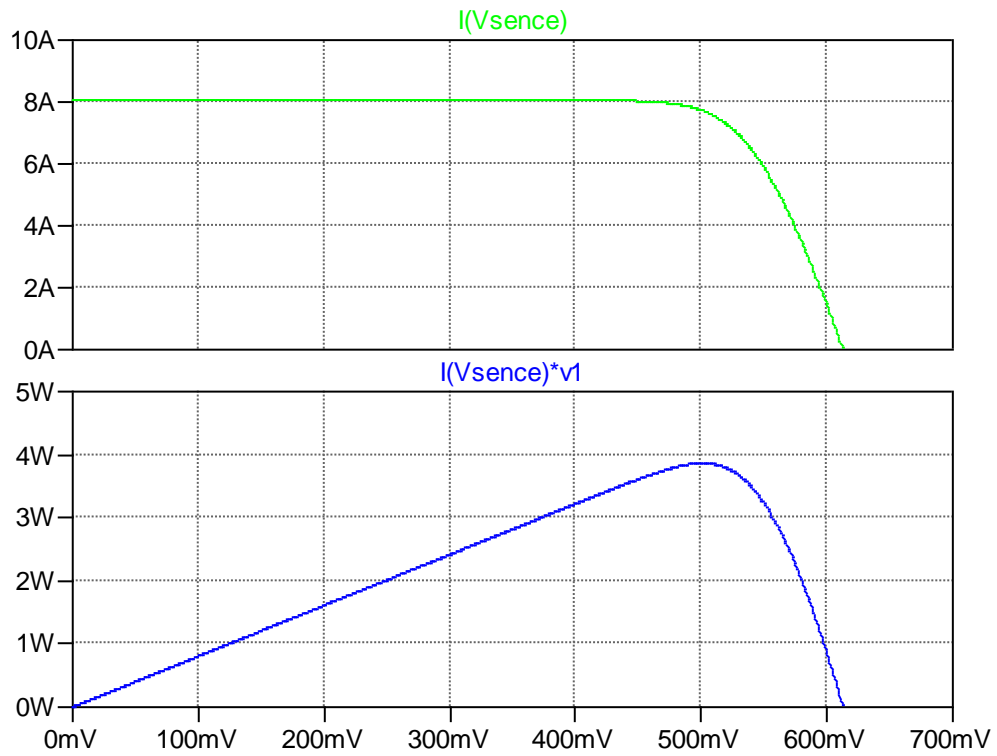
Bee Technologies Inc.

Circuit Configuration

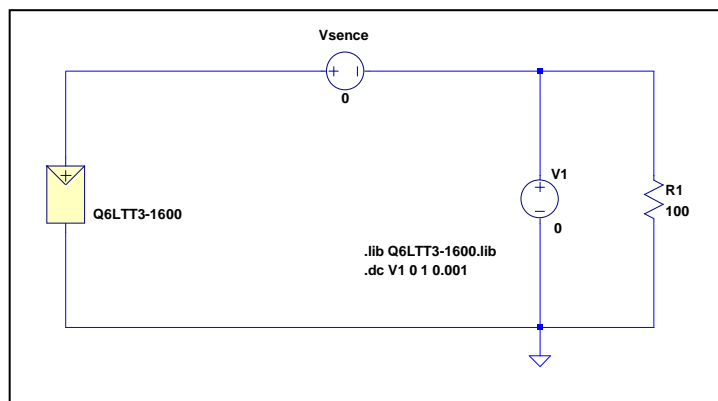


Output Characteristic

Circuit Simulation Result



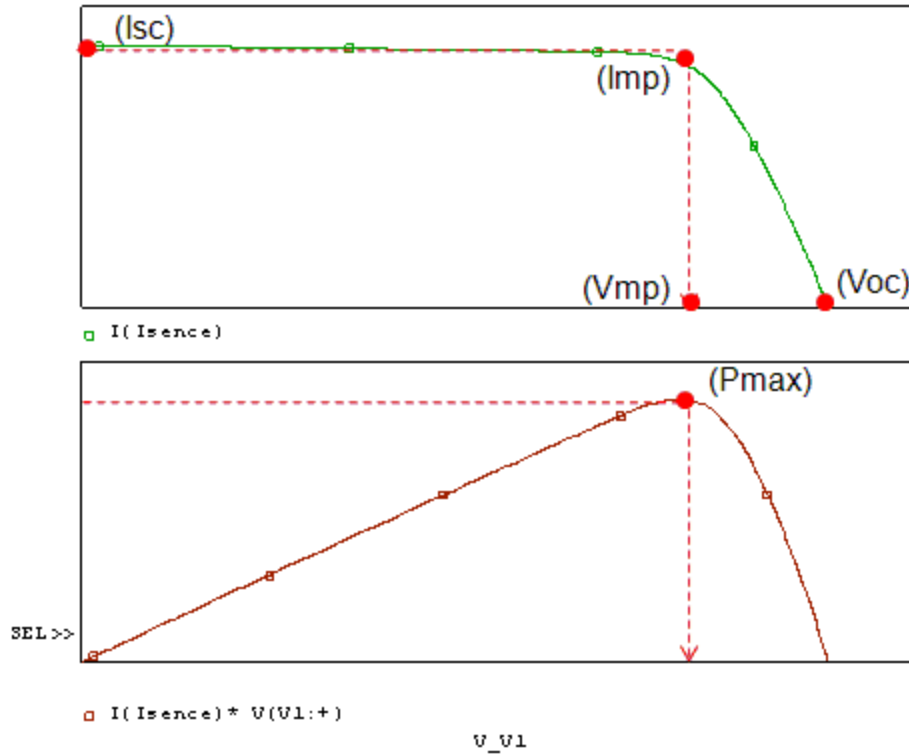
Simulation Circuit



Output Characteristic

Reference

Circuit Simulation Result



Data Table

| Symbol | Measurement | Simulation | %Error |
|--------|-------------|------------|--------|
| Pmax | 3.8900 | 3.8638 | -0.674 |
| Vmp | 0.5019 | 0.5010 | -0.186 |
| Imp | 7.7500 | 7.7102 | -0.513 |
| Voc | 0.6130 | 0.6125 | -0.082 |
| Isc | 8.0800 | 8.0799 | -0.001 |

Data Information

| | |
|-----------------------------|-----------|
| No. Q6LTT3-1600 | |
| Maximum output (Pmax) | 3.8900(W) |
| Maximum power voltage (Vmp) | 0.5019(V) |
| Maximum power current (Imp) | 7.7500(A) |
| Open circuit voltage (Voc) | 0.6130(V) |
| Short circuit current (Isc) | 8.0800(A) |